

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: "E.V. Sandy Blaize" <ebjr@worldnet.att.net>
Subject: "Modulator" for Millen 90661 G.D.O.
Message-ID: <19961002001530.AAA9973@LOCALNAME>

Hello BAers! (Attention Henry VanCleeef!)

Does anyone have the small plug-in Millen module that was used to modulate the 90661 Grid Dip Meter? I'm looking for the schematic so I can duplicate it (Or I'll buy one if it ain't too expensive!)

It would be really nice to have to modulate the GDO for quickie alignment jobs!

(So I wouldn't have to drag out the big G-R generator!)

I don't know what the Millen number was as I have nothing with it listed.

73,

E. V. Sandy Blaize, W5TVW
"Boat Anchors collected, restored, modified, traded & used!"
ebjr@worldnet.att.net
417 Ridgewood Drive
Metairie, LA., 70001
{Still looking for a Hallicrafters SR-75!}

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: vancleeef@netcom.com (Henry van Cleef)
Subject: Re: "Modulator" for Millen 90661 G.D.O.
Message-ID: <199610020527.AAA15757@netcom14.netcom.com>

As E.V. Sandy Blaize discourses

>

> Hello BAers! (Attention Henry VanCleeef!)

>

> Does anyone have the small plug-in Millen module that was used to
> modulate the 90661 Grid Dip Meter? I'm looking for the schematic so I can
> duplicate it (Or I'll buy one if it ain't too expensive!)

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> alignment jobs!

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> I don't know what the Millen number was as I have nothing with it
> listed.

>

I'm a bit nonplussed at this question, complete with my name attached to it.

The 90651 and 90661 grid dips are identical. Difference between them is that the 90661 was hand-calibrated, and provided with a fancy case. Electrically and mechanically the units are otherwise identical. In production checkout, the same coils were used for both. There was some variation between coils, and we had boxes of "high" and "low" coils for the 90651's, if we needed them to bring a unit into spec; so you should look for the original coilset that came with the unit, although they are more-or-less interchangeable.

So far as modulating the dip, there was no such animal when I worked there. I don't know what Wade Caywood would have done to allow modulation of the unit. The power supply is dirt simple: a single wave selenium rectifier, a filter cap, and off to the oscillator plate circuit. This presents a very low impedance. The only "wiring" in there is a "Plate" switch which disconnects B+ to allow use as a wavemeter. There isn't any way to plate-modulate the oscillator without changing the internal wiring and finding a way to bring the plate circuit out to the front panel; also to insert some impedance in the circuit somewhere to allow a voltage swing. B+ in the unit is around 130 volts, so you need a hefty voltage swing to get any serious modulation.

The alternative would be to (ugh!) grid-modulate the unit. That is quite easy to do. The "phone" jack is in the grid circuit, and there are a pair of contacts which disconnect the meter when a jack is inserted. The oscillator will oscillate with a headphones in the circuit, but trying to pump it up and down might take it in and out of oscillation.

The Megacycle Meter, which is, in many ways, virtually identical to the Millen dip, has provision for plate modulation of the oscillator. It has a lot fancier power supply (5Y3, lotsa volts), and cuts a substantial impedance into the plate circuit, allowing a coupling cap to pump the plate voltage quite easily. As I recall (I have the box on the bench, but don't have the schematic unpacked), it is set up with unfiltered AC in the "MOD" position with nothing plugged into it, giving hum modulation. The Millen dip just plain isn't provided with any easy way to get at the plate circuit to modulate it, and starts with a much simpler power supply with very little headroom for playing games.

As I recall, Millen made a FET dip which may have been set up for modulation input. That is an entirely different thing than doing anything with the tube dip.

One thing worth noting is that the Megacycle Meter and Millen tube dip oscillator circuits are virtually identical. The 955 and 9002 are identical except for packaging, and both use a Colpitts circuit. The

real differences between the boxes are the power supplies and the mechanical packaging. Both are extremely well built, and compared to the Heath and Eico dips, which are wannabe Millens in their layout, the Millen dip is Daimler Benz construction with a massive chassis and solder bonding everywhere.

If you want whistles for alignment, I'd suggest aligning the IF, then using a BFO for doing the front end. If the set in question doesn't have a BFO, a signal generator at IF frequency will solve that problem---if you want to probe with the dip. One real drawback in trying to use a dip as a VFO for alignment is that none of them, the Megacycle Meter included, have enough accuracy in their dial settings to give a really first class job. A good VFO generator used with a crystal calibrator (like the Millen Secondary Frequency Standard or Measurements 111/111B) and some care in setting frequencies seems to me to be just about mandatory. I'll note here that at Millen it was mandatory to whistle-stop any VFO against a crystal, and the crystal against WWV, before using it. To get the tracking right, you absolutely must use fixed frequencies and harmonics, and a crystal will give you lots more energy in higher harmonics than any VFO.

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: n5off@w5ddl.aara.org
Subject: 392 Contracts, Hints
Message-ID: <476991@w5ddl.aara.org>

Crystals are always a pretty good source of dates as are large caps. Perhaps you could snoop the xtal deck and cal xtal.

Also, check the frequency counter assembly for a maker as sometime the Veeder Root Company stamped the name of the company for which they were providing the counter. I don't actually know if VR made these for the 392, but it is a pretty good hint on the 390/A.

Bonne Chance and nice catch.

Tom N5OFF

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: John Kolb <jlkolb@cts.com>
Subject: Re: Alternate to 51S-1
Message-ID: <Pine.SCO.3.91.961001223902.17893E-100000@sd.cts.com>

On Tue, 1 Oct 1996, Glenn Finerman wrote:

> reasons. I'm also aware that older synthesizers like the FS-4 had less

> than pure output (harmonics, phase noise and other nasty things you
> don't get with a crystal oscillator)

Took some pictures of a FS-4 on a spectrum analyzer once - horrible.

The new crop of DDS chips seem

> to be free from these earlier problems, require very few support
> components and would be an excellent choice for this type of
> application!...

The spurs out of a DDS can also be high towards the higher output freqs.
Works well when used as a replacement for the LMO (PTO) though.

I'm puzzled over one thing. When changing bands on the

> 75S series receivers, are you just switching crystals or are you also
> changing bandpass filters, tuned circuits etc..?? How does this differ
> from the Drake setup with the FS-4???

In the Drake SPR-4 and R4x receivers, the xtal switch only switched
xtals. There was a separate band switch which switched the coils
for the different bands of the preselector; each preselector band
could be tuned over a wide range with a rack of slug tuned coils,
to offer continuous tuning over the entire range of the receiver,
so that any xtal could be used to set up any desired 500 kHz
tuning range.

I don't know if the Collins would have offered a complete preselector
tuning range, or if it had a very restricted preselector range
like the Heathkit SB301/310 receivers.

John

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: "Rick Blank" <rblank@legend.txdirect.net>

Subject: Re: Alternate to 51S-1

Message-ID: <199610021424.JAA21096@legend.txdirect.net>

Stuff deleted

>

> In the Drake SPR-4 and R4x receivers, the xtal switch only switched
> xtals. There was a separate band switch which switched the coils
> for the different bands of the preselector; each preselector band
> could be tuned over a wide range with a rack of slug tuned coils,
> to offer continuous tuning over the entire range of the receiver,
> so that any xtal could be used to set up any desired 500 kHz
> tuning range.

>
> I don't know if the Collins would have offered a complete preselector
> tuning range, or if it had a very restricted preselector range
> like the Heathkit SB301/310 receivers.

More Stuff Deleted

FWIW, I have a 75S-3A that I have put crystals into all the auxiliary crystal positions. It seems as if the receiver is a little less sensitive in some of the auxiliary positions than in the main crystal bank. Whether this is due to the fact that the band of interest is far removed from the ham band, i.e., 15.0 to 15.2 on the 1D or 21.0 to 21.2 band segment, 9.6 to 9.8 in the 2B or 7.2 to 7.4 range, or a lower activity crystal, I can not swear to....the 51S-1 seems much better in this regard than the S-3A does.

About the only way I could see to give this general coverage ability to the S-line would be to interrupt the line coming from the crystal bank assembly and install a socket to plug a synthesizer into...this way you could select what band range you wanted and be able to inject the oscillator signal into the receiver independent of band range.

The Drake R-4C would seem to make a better SWL receiver with it's independent bandswitch and crystal selector switch than the 75S-3A or 75S-3C...plus, the 75S-3C's are going for serious bucks today, nearly in the price range of the 51S-1.

Remember TANSTAAFL!

Rick Blank
2223 Blanco Road
San Antonio, Texas 78212

rblank@txdirect.net

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: Re: Alternate to 51S-1
Message-ID: <Pine.OSF.3.91.961002095440.14546B-100000@francis.tenet.edu>

More FWIW...

I'll second Rick's comments with an observation that was passed along to me. I went ahead and populated all of the AUX crystal position in my KWM-2A to cover the WARC bands (still looking for 12M, though!) with the balance taken up by SWBC ranges for casual SWL'ing. I made a comment to Bud, K7RMT, who did an alignment on the rig last year that drive and output seemed low on the 30M range. He re-iterated to me the observation that he had made initially when we were discussing aligning the rig and that was that

Collins "by the book" specs called for alignment points at certain very specific frequencies in each of the band switch positions (mostly near the center of the band) and that any operation outside of those specific frequencies contained "no warranty, either express or implied" as to the degree of operability in those ranges.

Output (with a good set of finals) seems limited to 75-80 watts on the 30M range, as compared to 150 or so, as measured by my 312B-4 wattmeter that he cross-calibrated to his Bird 43, on the "stock" ham bands. This may be due somewhat to antenna mismatch (G5RV is not an optimum performer on 30M) but can't help but feel that the "juice" is a bit low as well. 17M seems to perform OK, interestingly enough.

One final observation...when I mentioned to him that I felt like RX sensitivity seemed low on 15M, he seemed quite concerned and wanted to see the rig. As he was putting it up on his bench to measure sensitivity, I mentioned casually that I seemed to be getting full xmit output on it. He completed the sensitivity measurements that showed it to be within specs, but said if I was getting full output on tx, that the rx alignment was gonna' be "right on" too and perhaps the band was just dead, hi! His comments seemed to be borne out this past weekend as ZD8Z was BOOMING in here on 15M SSB the other afternoon (of course, the rhombic he was using may have helped that somewhat as well!). As always, YMMV.

73, Gerald D'Entremont WA5TVM (STILL waiting...FCC only took action on 21
cdent@tenet.edu calls yesterday as opposed to several
hundred the past few days before. Maybe
their computer melted down?)

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Glenn Finerman <GFINER@nms.com>
Subject: re: Alternate to 51S-1
Message-ID: <s2525556.078@nms.com>

John K. wrote:

re>In the Drake SPR-4 and R4x receivers, the xtal switch only switched
>xtals. There was a separate band switch which switched the coils
>for the different bands of the preselector; each preselector band
>could be tuned over a wide range with a rack of slug tuned coils,
>to offer continous tuning over the entire range of the receiver,
>so that any xtal could be used to set up any desired 500 kHz
>tuning range.

That's odd, I thought on the R4-B the bandswitch stays in one position when using one of the aux crystals (aux xtal rotary switch?) and just the preselector is tuned?
Somewhat frustrating for me since my R4-B is boxed-up for the move to the new QTH and I can't look at the front panel!!

Dave, W3BJZ sent me a note about a company who makes a synth. type accessory for converting amateur band receivers to general coverage, but it's very expensive. I requested some info, so if anyone is interested I can pass it along.

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: mknudsen@lucent.com
Subject: Re: Alternate to 51S-1
Message-ID: <9610021546.AA11138@bock.ih.lucent.com>

I can't speak for other Collins, but in the KWM-2(A) the xtal positions are firmly wedded to the bandswitch that also changes the coils, so you get only a limited number of xtals per freq range. The rigs can cover almost the whole spectrum, subject to the above limitations and staying out of the 1st IF range.

SX-117 and SP600 are like Drakes -- fully flexible re xtals versus bands, unlike the KWM-2 rigs.

BTW, a while back we talked about "cheating" on Drakes and others by tunign the preselector to the image freq of the 1st conversion, and picking up an extra SW band. I was able to find an SW BC band on my R4A but haven't bothered to figure out yet which one it is. 73, mike k aa9rg

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>
Subject: Re: Alternate to 51S-1
Message-ID: <199610021957.0AA16049@dns1.net-connect.net>

>I don't know if the Collins would have offered a complete preselector
>tuning range, or if it had a very restricted preselector range
>like the Heathkit SB301/310 receivers.

The 75S-3 series offers complete preselector tuning range from 2 - 30 Mc.

73

Joseph W Pinner
Lafayette, LA
KC5IJD
EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: anyone done business with this guy?
Message-ID: <9610021626.AA17511@netman.ENS.TEK.COM>

Like the subject says, has anyone done business with this guy? I am attempting to buy a boatanchor from him and am getting that funny feeling.
Terry

>Bob Karchevski
>Member, National Radio Club
>PO Box 60993
>Sunnyvale, CA 94088
INTERNET:
karchev@nt.com

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: ATTENTION MILITARY AIRCRAFT RADIO FANS
Message-ID: <199610021243.FAA00721@dfw-ix9.ix.netcom.com>

Fellow Military BA fans:

Here is someone you need to contact.
I've done business with him and found him honest and reliable.
He has an abundance of WW-II/Korean era gear the likes of which you haven't seen since the 1965 Fair Radio catalog.
ARC-5 rigs, parts, racks, *connectors*,....
GF/RU rigs, accessories, mounts, (some NOS)
Lots of IFF, Radar, Intercom, etc...
His prices are reasonable/negotiable.

Contact:

Bob McKowen
215 S. Ave. C.
Washington, Iowa 52353
(319)653-5776
Fax (319)653-2548

Ask for his latest list of radio gear.
I have done deals with him and found him reliable.
He is a one-man operation and it takes a little

time for shipping, so please be patient.

He also sells warbird parts and military memorabilia.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: Lrware@aol.com
Subject: Re: BA want/for sale list?
Message-ID: <961001191640_115863123@emout16.mail.aol.com>

In a message dated 96-10-01 16:00:52 EDT, you write:

> Can someone tell me if this list is still around, or am I lost in the ozone
> of old BA list postings?

Alas, you are indeed lost in some old data.

Both BA.wanted and BA.forsale died a while back...

I wrote the last BA forsale archive months ago.

I wasn't aware Jack had pulled the file, but then I have
not looked.

BA.forsale died from neglect when most people refused to use it.
Towards the end, I put free stuff (just ask) in it a number of times
and waited days for someone to notice...

When I did get requests to have items added to the archive, I
seldom got told when it sold unless I asked. Thus the list was
often incorrect.

Jack Hill and I discussed the archive status a number of times
before deciding to "pull the plug." At Jacks request no notice
of it's end was posted.... Your the first person to notice and
comment about it. :-(

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: BC-611 Project Afoot
Message-ID: <87706.ddillman@igc.apc.org>

I purchased a couple of BC-611 handitalkies a few years ago. They
came with the A battery adapters and good B batteries - I know 'cause
I zapped myself! And they seemed functional. But they were not on
the same frequency, which was okay as I intended them just for display
in my office. Now I've been looking at them every day and wishing

they were on the same channel.

With the help of Andy and Robert it seems this is soon to be. Andy has the complete BC-611 test setup and Robert has the coil and crystal assortment. But crystals were a problem since my frequency of choice - 3870, the west coast AM frequency - was not a standard BC-611 channel. So I'm having JAN make me up two sets of crystals in FT-243 holders.

My planned use? Well, Sprout is due back off one of our ships where she's been the RO for several months. You remember Sprout. About 5ft. tall, fire engine red hair, radio in her soul, lives in my closet? I figure we'll make quite the pair at the next swapmeet with our matching white coveralls with "Sprout" and "Skyking" embroidered on the front maintaining contact with the '611s. Put those guys with the shirt pocket 2m radios to shame! Plus I'm gonna take a shot at checking into the AM net some night.

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: john <johnmb@mindspring.com>
Subject: Re: BC-611 Project Afoot
Message-ID: <2.2.16.19961002064023.291ffcde@pop.ral.mindspring.com>

At 12:53 AM 10/2/96 -0500, you wrote:

I figure we'll make quite the pair at the next swapmeet with
>our matching white coveralls with "Sprout" and "Skyking" embroidered
>on the front maintaining contact with the '611s.

If you dont take a picture for my website, I'm going to
be really disappointed! :-)
/john

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+-----+
|John Brewer          johnmb@mindspring.com      |
|WB50AU/4             AMI #24                    Clayton, NC |
|Vintage Gear web page: http://www.mindspring.com/~johnmb/ |
+-----+
```

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Thomas Bryan <tbryan@mailstorm.dot.gov>
Subject: BCC and Racal
Message-ID: <199610021821.0AA01366@mailstorm.dot.gov>

Hello All,

Does anyone know what year Racal Communications acquired British Communications Corporation (BCC)?

Tom Bryan
tbryan@mailstorm.dot.gov
Opinions expressed are my own.

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Re: Black Wrinkle Paint
Message-ID: <Pine.OSF.3.91.961001180246.11136E-1000000@beall.tenet.edu>

Krylon makes a black wrinkle paint that smells and acts just like all the other manufacturer's. Chief Auto Parts sells it around here. Price is reasonable. I just used a can.

On Tue, 1 Oct 1996, Walter Fairclough wrote:

> I'm a little late with this but all the interesting talk about paints
> lately reminded me to say thanks to all who responded to my query about
> locating black wrinkle paint in Canada. Yep, the Harley Motorcycle shops do
> carry the stuff, for a price - \$17.99 + 15% tax.
>
> As it goes against against my cheap grain (I'll be damned if I'll pay that
> price), I will carry the stuff back from the US on my next trip. Only 5.00
> (US) or \$7.00 Canadian. Apparently suppliers in the US are not allowed to
> ship aerosol paint cans to Canada.
>
> Anyway, the info is much appreciated.
>
> Regards to all.
>
> Walter
>
> Walter Fairclough
> Manotick, Ontario
> wfairclo@netcom.ca

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: george.rybicki@lerc.nasa.gov (George Rybicki)
Subject: Extra SP-600 Tubes?
Message-ID: <v01510100ae78807fc697@[139.88.134.25]>

My Hammarlund SP-600 JX-14 has two extra 12AU7's mounted on a very professional looking standoff bracket on the bottom side of the rig, in rear of the case near the IF out jack, the extra toggle switch on the rear panel appears to be part of this circuit. The bracket is varnished with the same varnish as the rest of the case so I think its a factory mod. This circuit does not show up on any of the 3 schematics I have so what does it do?
Thanks George

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
Subject: F/S Drake TR4C & AC4, MS4

Hi name Randy

I have for sale a Drake TR4C with the AC4 power supply and MS4 speaker. All in real clean shape and operate perfect. I'm asking \$235.00 shipped

If interested call me at 937-372-2492

Thanks &

73's

Randy

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* * * * *
* NOTE: The message above is a re-post from the newsgroup rec.radio.swap. *
* All replies *must* go to the person making the post, not me. *
* * * * *

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: from rec.antiques.radio+phono
Message-ID: <9610021554.AA14267@netman.ENS.TEK.COM>

FWIW,
Maybe someone here can help this person out...
Terry

>Article 19764 (12 more) in rec.antiques.radio+phono:
>From: George Rybicki <george.rybicki@lerc.nasa.gov>
>Subject: Hamarlund Super Pro Supply Wanted
>Date: 1 Oct 1996 16:47:10 GMT

>I picked up a Hammarlund Superpro SP-400 Sans supply, made my own, but I
>would like to find an original. Any version Superpro supply would be
>fine. Thanks George

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: spr@earthlink.net (Scott Robinson)
Subject: FS NOS 6146A
Message-ID: <v01530500ae773bceec27@[153.36.85.99]>

Folks,

FOR SALE: 4 off RCA 6146A at \$15 each. I'm posting this for a friend who
isn't on-line, so either

a) email me

or b) phone him: John Wentzel, Aladdin Radio (415) 731-1920 9-5 Pacific time.

Thanks,

Scott Robinson
spr@earthlink.net
"Wait'll he puts on his stereo headphones..."

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Bill Moore <bill_moore@mevatec.com>
Subject: FS-* Radio Stuff***
Message-ID: <961002.081838@mevatec.com>

Subject:

Time:3:59

OFFICE MEMO

FS:* Radio Stuff***

Date:9/27/96

Prices are plus shipping. Dont be afraid to make an offer. You can call at 205 880 1207 for further info or email me at work bill_moore@mevatec.com. Trades for Pilot Items are always welcome. Thanks

1. Newark Electronics 1949 catalog, radios, tvs and ham gear, complete but tattered \$10
2. Truetone Jr, white plaskon,very small prewar set, cab. cracked badly, complete except for vol. knob. \$35
3. RA DA instruction sheet for 1922 Westinghouse, Full color reprint \$4 pp
- 4."The Cathode-Ray Tube at Work" John Rider 1935 nice \$7
5. "The Principles of Radio" Henney 1938 \$7
6. B&K 707 tube tester, works good with manual \$48
7. Zenith Transoceanic 7G605 service data \$4 inclues ship.
8. Original Crosley Radio Instructions for models 120, 53, 57, 77 \$6 each
9. 1933 Baltimore Radio catalog, nice condition 64 pages \$10
10. Radio Design Magazines, \$7 each, winter 28. winter 29, spring 30, summer 30, fall 30
11. ARRL Handbooks: 52-nice condition \$15, 67-71-nice condition \$8 each
12. WE transistor PA Amp. Looks to be new. Comes with NOS pair of 8" outside university PA horns. \$20
13. Gooseneck springloaded clampmount workbench lamps. good condition and working. No bulbs \$10 ea
14. Nobatron DC power supply 18-36 VDC 1.5 amp \$10
15. Sola Power conditioner. 1.25 amp \$6 ea
17. Military technical manual TM 11-1053 for RC 68/68a \$3
18. Bogen Power amp cha-33 with phono built into cage \$22
19. Ford/Philco model car radio, 1967 given away when they were test driven. rough shape \$12
20. AK 165 Cathedral grill cloth. This is the original grill cloth on a hard cardboard backing. very nice condiion \$10
21. Early FM receiver for cars, Cartape brand \$10

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

Subject: FS: Simpson, Millen Test Gear

For Sale:

Simpson 260 Series 6 VOM in box with manual and probes. Excellent condition. \$75.00

James Millen Type 90651 grid dip meter with coils (coils in metal

millen coil stand). From early - mid 50's. In original box. Paint a little scratched and clear plastic on coil end of meter cracked in corner. \$40.00

James Millen type 90671 SWR bridge in original box. Early - mid 50's. \$25.00

National PW drive with dial- Same drive used for HRO dial. No condenser. Looks like dial was originally painted black, paint has been removed and is now silver. \$15.00

All prices plus shipping from zip 93401

doragsda@oboe.calpoly.edu

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* * * * *
* NOTE: The message above is a re-post from the newsgroup rec.radio.swap. *
* All replies *must* go to the person making the post, not me. *
* * * * *

Dick Dillman
WPE2VT N6VS ex-WA2BJK
<ddillman@igc.apc.org>
Collector of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: F/S Drake TR4C & AC4, MS4
Message-ID: <42979.ddillman@igc.apc.org>

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From: RJB KB8III <rjbkb8iii@aol.com >
Newsgroups: usenet.rec.radio.swap
From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Fwd: FS: Simpson, Millen Test Gear
Message-ID: <87712.ddillman@igc.apc.org>

----- Forwarded message begins here -----

From: doragsda@oboe.calpoly.edu <doragsda@oboe.calpoly.edu >
Newsgroups: usenet.rec.radio.swap
From: boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: Terry Burge <terrybu@netman.ENS.TEK.COM>
Subject: FWIW from rec.radio.swap
Message-ID: <9610012326.AA28984@netman.ENS.TEK.COM>

This just showed up of the news list:

>Article 51316 (2 more) in rec.radio.swap:
>From: jermi@westnet.com (Jerry Mitkowski)
>Subject: S-Line
>Date: 1 Oct 1996 04:12:28 GMT
>Organization: WestNet Internet Services
>Lines: 3
>NNTP-Posting-Host: westnet.com
>X-Newsreader: TIN [version 1.2 PL2]

>75S3B. 32S3, 516F2, 312B4, winged, manuals. \$750.00.

Please, don't contact me. I just forwarded it and have no knowledge
one way or the other about it.

Terry

From: boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: Witmerjr@aol.com
Subject: Heath Parts Source Inquiry
Message-ID: <961001232214_116119457@emout07.mail.aol.com>

Hello All!

I just found out that a company in Benton Harbor, MI had purchased the
remainder of Heath's remaining stock & that they sometimes advertise in
"NUTS & VOLTS Magazine". Anyone familar with this outfit who could pass the
telephone number along? I'm looking for a replacement front panel for a
SB-200.

Thanks & 73

Bob W3RW

witmerjr@aol.com

From: boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: BEN NOCK <106312.1035@compuserve.com>

Subject: Mil Gear wanted

Message-ID: <199610021358_MC1-9F6-43F5@compuserve.com>

Hi, i am looking for an ART-13, this will need shipping to the UK obviously, so if anyone can do this, I'd be interested.

I'm also looking for GRC-109, RS-6, BC-611, and any other smaller sets that can be shipped easily.

I am also after keys, morse keys that is, not house keys, either up/down or paddle etc, w.h.y. ????

Give me a call. Ben G4BXD.

MILITARY WIRELESS IN THE MIDLANDS MUSEUM

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: "Lynn D. Stolz" <lynn@midohio.net>

Subject: Millen Modulator for GDO

Message-ID: <199610021322.JAA20733@mail.midohio.net>

Yes, Henry, there is a modulator.....

It is officially called a "TONE MODULATOR FOR MILLEN GRID-DIP METER, Type No. 90751. I have serial number 171. It is transistorized and battery powered. It requires a Mallory TR132R 2.5V mercurry battery or its equivalent.

The modulator is plugged into the 'phone jack of the GDO for operation. It generates an audio tone near 800 cycles.

Millen states that it could be used for other applications such as code practice and generating a tone for input to the mic jack of a transmitter.

Unfortunately for Sandy, Millen appears to have not provided a schematic for it. ON the bright side, Sandy could make up something similiar and use it with the GDO. The signal level is adequate to drive headphones.

73,

Lynn, N8AJ

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: "Greg Parsons A.K.A. Rat" <gregp@galileo.mis.net>

Subject: Modulator for GDO

Message-ID: <1.5.4.16.19961002095939.19d7401e@204.68.227.1>

Hi Gang,

There are plans for this in QST November 1954. I ran across it last night.

73,

Greg

ke4ooo

gregp@mis.net

```
-----
| Greg Parsons      KE4000    gregp@mis.net gregp@lfucg.com      |
| AMI #865          Who has the coffee?                        |
| NRA Life, SCCA SCA DOD  http://www.stdio.com/~gregp  http://www.lfucg.com |
-----
```

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

From: "Benjamin D. Hall" <bdhall@ghgcorp.com>

Subject: NCX-5 mod for two types of finals

Message-ID: <3251C04D.32CA@ghgcorp.com>

Garey Barrell, K40AH wrote:

> When you get these typed in, I'd appreciate a copy!

Here y'all go!

NATIONAL RADIO - CUSTOMER SERVICE BULLETIN

April 29, 1966

NCX-5

CSB 66-1

National Radio Customer Service Bulletins are provided free to all registered owners of our equipment. Information contained herein is gathered from our factory and field service organizations as well as from National owners.

We do not recommend the "automatic" incorporation of modifications [ed's note: wow, other people who follow my mod strategy!] except when the trouble description is identical to your problem, or when suggested for preventative maintenance.

IMPROVED TUBE LIFE --- FINAL AMPLIFIERS

Numerous reports indicate some of our customers beleive reduced loading is desirable for extra tube life. JUST THE OPPOSITE IS TRUE. Per NCX-5

instruction manual, finals should be loaded to not less than 300 ma for optimum life. Underloading tubes results in excess screen current and hence reduced life. Power output may be reduced, if desired, by inserting less carrier.

TUBE CONVERSION

Due to a cutback in the production of 6GJ5 tubes, late-run models have incorporated the 6JB6 tube, which is identical except that the suppressor grid is brought out to Pin 8 (in the 6GJ5, it is grounded internally).

[editors note: 6GJ5's thru AES are cheaper than 6JB6's. Go figure!]

If your equipment uses the 6GJ5 tubes, Pin 8 of V-1 is used as a common tie point and conversion is mandatory before substituting 6JB6's. Such conversion may be accomplished as follows:

1. Locate the terminal strip running parallel to the final amplifier tubes. On the lug nearest the rear of the chassis --

- a) Remove the white wire.
- b) Remove the end of the 0.01 capacitor.

[editors note: looks like I am missing the next page, sigh! But wait, I have another write up]

[on a different sheet of paper with no National Logo or anything:]

This NCX-5 may use 6JB6 final amplifier tubes instead of the 6GJ5 type called out in the Instruction Manual. The 6JB6 is identical to the 6GJ5 in all respects, except for a separate base connection (Pin 8) to the suppression grid. If this NCX-5 uses 6JB6 tubes, Pin 8 is grounded and either 6JB6 or 6GJ5 tubes may be used if tube replacement becomes necessary.

If however, this NCX-5 has 6GJ5 tubes installed, Pin 8 of one tube socket is being used as a tie point for other circuits. Therefore, tube replacement may only be performed with 6GJ5 tubes -- unless the present connections to Pin 8 of the one socket are removed to a new tie-point and Pin 8 is then grounded.

No schematic changes in the manual are necessary if the 6JB6 tubes are used, except to indicate on the schematic that the suppressor is grounded externally instead of internally as shown in the 6GJ5.

--end--

I think y'all have all the needed info for conversion, enjoy!

73,

Ben

--

From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHGCorp.com -or-	involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov	Fire.

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

From: "Gary N. Anderson" <ganderso@iu.net>

Subject: Need Collins mechanical filter (S-line)

Message-ID: <199610020109.VAA06514@bb.iu.net>

Well, I just acquired a 32S-3 and find, to my chagrin, that the wrong mechanical filter was installed (4 kHz filter, I think!). Had to happen someday to someone. Anyhow, I need to find a 455 kHz, 2.1 kHz bandwidth filter for the thing. Doesn't have to be the original case style.....I'm planning to use this rig, not sell it.

Are there any out there? (I know about Surplus Sales of Nebraska but I'm not THAT desperate.....yet).

Also, are there any sources for knobs out there? (I have a feeling that both these items are going to be painful)

Thanks in advance.....Gary

Gary N. Anderson====>Palm Bay, FL====>Amateur Call:

WA4IVF

(Also history, astronomy, cycling, ad infinitum.)

"Always do right. This will gratify some people and astonish the rest."

Mark Twain

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

From: don merz <71333.144@CompuServe.COM>

Subject: Odds & Ends FS

Message-ID: <961002033014_71333.144_DHB39-1@CompuServe.COM>

Odds and Ends FS

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Homebrew linear amplifier. 3 6JE6 sweep tubes in a stripped T-20/ARC-5 chassis/cabinet with external power supply and cable. Excellently built by WA3BFZ in every respect with quality components throughout. He says it works fine. It certainly looks perfect. But I didn't power it up. \$20

Military FM 21-76 Survival Field Manual, October, 1957. 284 pages. Near-mint. \$11

Another homebrew from WA3BFZ: This is a QRP transmitter with a separate power supply. The TX uses 2 tubes--a 6U8 and a 6AQ5 in the final. Single channel crystal control with genuine incandescent tuning indicator (#47 bulb). Excellently built with quality components. Looks nice too. WA3BFZ couldn't even remember what band(s) this is for... \$10

Pearce-Simpson "Bimini 40" (Huh?) marine radiotelephone for the 2mc marine band. Doggy-lloking thing that seems to work as-designed. This should be simple to re-tune to 160 meters since the coil taps and trimmer caps are in easy reach after removing the top cover. All-tubes in a small package with a 12JB6 final. With handset. As-is. \$15

Headphones

Military Headset/Microphone H133/AIC minus the microphone. Big bulky headset designed to be worn in loud noise areas. \$6

Cannonball Dixie headphones. Cloth cord and headband, pin jacks. \$6

Brandes Superior with no cord and unraveling cloth headband. \$4

Brandes Superior Matched Tone with cloth cord and headband, pin jacks. Very nice condition. \$7

Brandes Superior Matched Tone with broken cloth cord and good cloth headband, pin jacks. \$4

Brandes Superior with poor cloth cord and good cloth headband, pin jacks. \$5

Unknown headset with brown bakelite ear pieces marked "W. Germany 2000 ohms" with black wrinkle metal headband marked "Western Germany." \$4

"American" single headphone with spring-metal headband. Cloth cord missing one pin jack. \$3

Earpiece only. No brand marking. Aluminum housing is stamped "Loud Speaker Unit." Fraying cloth cord with pin jacks. No headband. \$2

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: john <johnmb@mindspring.com>
Subject: On the track of a HR050R-1
Message-ID: <2.2.16.19961001194047.296f5c10@pop.ral.mindspring.com>

Fellow Boatists,

I got followup info on the HR0 I asked about several weeks ago.

The radio comes complete with the following coilsets:

a,ab,b,d,e,f,g,h,j

.is it unusual for this radio to come with this many sets?

Are any missing??

Many thanks for your thoughts and advice
/John

```
+-----+  
|John Brewer          johnmb@mindspring.com      |  
|WB50AU/4             AMI #24                   Clayton, NC |  
|Vintage Gear web page: http://www.mindspring.com/~johnmb/ |  
+-----+
```

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: Al Klase <alklase@prolog.net>
Subject: Re: On the track of a HR050R-1
Message-ID: <199610020229.WAA29212@ns1.ptd.net>

At 06:42 PM 10/1/96 -0500, John Brewer wrote:

>The radio comes complete with the following coilsets:
>
> a,ab,b,d,e,f,g,h,j
>
>.is it unusual for this radio to come with this many sets?
>
> Are any missing??

Here's a, I hope, complete list of HR0-50/60 coils from Sam's Photofacts and

ARRL handbooks:

COIL SET	GENERAL COVERAGE	BANDSPREAD
A	14-30 MC	27-30 MC
B	7-14	14.0-14.4 MC
C	3.5-7.3 MC	7.0-7.3 MC
D	1.7-4.0 MC	3.5-4.0 MC
E*	900-2050 KC	
F*	480-960 KC	
G*	180-430 KC	
H*	100-200 KC	
J*	50-100 KC	
AA*		27.5-30 MC
AB*	25-35 MC	
AC*		21.0-21.5 MC
AD* **		50-54 MC

*=OPTIONAL **=HR0-60(ONLY?)

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: mknudsen@lucent.com
Subject: Re: On the track of a HR050R-1
Message-ID: <9610021522.AA11115@bock.ih.lucent.com>

Nice set of coils! It is missing the C, which I think is 2 - 4 MC with bandspread for the 75/80m ham band. The AB is I think the 15m bandspread-only coil, nice if you watch your cholesterol and are around for the next sunspot cycle.

The G, H, and J are an unusual bonus -- these are the LF and VLF ranges. I have G (200-430 KC beacon band) but not the lower ones. I'm also missing F, which is 500-900 KC or so.

To answer your question, yes, it's unusual to have that big a set of coils. Only band news is that missing C coil. (Oops, I redid the math and C would be 4 - 7.5 MC with BS for 40m; scratch the earlier sentence). Good news is there are lots of C coils around; bad news is neither Hams nor SWBC listeners want to sell you theirs.

I *think* that all but A, B, and any Ax are compatible between the HRO 50 and 60. Also note that National lettered their coils from the top of 30 MC on down. I forget what they call the 50-54 MC coil available for the HRO-60, and there was a 30-40+ MC one also.

BTW, when I moaned to someone about paying too much for a beatup HRO-60, he pointed out that at \$50-\$70 bucks per coil, with the 6 coils I got I was money ahead even if I dumpstered the rx (not likely, yet).

Oh yes -- does this HRO-50 have dial strips for all those coils? I got strips with no coils and vice-versa, am looking to swap. Maybe someone could make zerox copies of strips, that we could glue to a piece of plexiglas and make our own.... 73, mike k aa9rg

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Al Klase <alklase@prolog.net>
Subject: Re: On the track of a HRO50R-1
Message-ID: <199610022019.QAA18515@ns1.ptd.net>

MY APOLOGIES IF THIS IS A DUPLICATE POST. I SENT IT TWICE AND HAVENT SEEN IT.

At 06:42 PM 10/1/96 -0500, John Brewer wrote:

>The radio comes complete with the following coilsets:
>
> a,ab,b,d,e,f,g,h,j
>
>.is it unusual for this radio to come with this many sets?
>
> Are any missing??

Here's a, I hope, complete list of HRO-50/60 coils from Sam's Photofacts and ARRL handbooks:

COIL SET	GENERAL COVERAGE	BANDSPREAD
A	14-30 MC	27-30 MC
B	7-14	14.0-14.4 MC
C	3.5-7.3 MC	7.0-7.3 MC
D	1.7-4.0 MC	3.5-4.0 MC
E*	900-2050 KC	
F*	480-960 KC	
G*	180-430 KC	
H*	100-200 KC	
J*	50-100 KC	
AA*		27.5-30 MC

AB* 25-35 MC
AC* 21.0-21.5 MC
AD* ** 50-54 MC

*=OPTIONAL **=HRO-60(ONLY?)

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: w7ni@teleport.com (Stan Griffiths)
Subject: Re: Other List?
Message-ID: <199610021819.LAA18091@desiree.teleport.com>

>My apologies to the list. I was not aware there was a seperate
>list for discussion of policy of the boatanchors list.

>

>Thanks to the person that pointed that out to me in a private E-mail

Is there such a list? If so, how do I gain access to it? I have a few
comments I would like to make.

Personally, I don't see a thing wrong with discussing how to make this list
better right on this frequency since it involves everyone here.

Stan w7ni@teleport.com

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Richard Biddle <rbiddle@madvax.mo.ti.com>
Subject: R-390A back panel IF connector
Message-ID: <32529F09.355B@madvax.mo.ti.com>

Anyone happen to have a spare rear panel IF bulkhead connector for the
R-390A? It is a male mini-BNC on one side and a male standard BNC on
the other.

Thank you.

--

73 de Richard, KB5WLH

<< The Internet - CB Radio >>

rbiddle@madvax.mo.ti.com

<< For The Nineties >>

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

From: "Mark J. Blair" <mblair@gruumsh.irv.ca.us>

Subject: Re: R-392 contract search

Message-ID: <199610020612.XAA06196@gruumsh.irv.ca.us>

RAGAIN@hubvx6.sedalia.wireline.slb.com wrote:

> I have an R-392 receiver without a nameplate and am trying to figure out
> what manufacturer it came from and approximate age. Maybe someone can
[...]
> Does anyone have similar markings on an R392? Do other R392s have contract
> numbers on various parts?

I took my R-392 apart and wrote down the numbers I found. I doubt this
will help you identify your own radio, but it would be good to add to
the contract database.

Nameplate reads:

RECEIVER, RADIO R-392/URR
SERIAL NO. 466
PHILCO CORPORATION
ORDER NO. 3214-PP-59
U.S.

The PTO has a Collins label, which looks like thin paper varnished
onto the case. The type number is worn off, but the serial number
reads "3625 C.R." (handwritten).

Stamped on the lower deck with black ink:

LOWER DECK ASSY. SERIAL NO. 248
PART NO. SM-D-144526
PHILCO CORP.
3214PP-59-A1-A1

The lower deck also has the radio's serial number written on it in
pencil. I didn't do it.

Stamped on the RF deck with black ink:

R.F. ASSY. SERIAL NO. 472
PART NO. SM-D-144678
PHILCO CORP. 3214-PP-59-A1-A1

The part number on the R.F. deck matches the appropriate number in my parts manual. The manual doesn't list the lower deck as a single assembly, so it doesn't list the part number printed on the deck. Rather, it lists separate part numbers for the individual pieces (audio amp, calibrator, IF amp).

I just opened up the case and pulled the lower deck; I don't know if there are any numbers written on any of the other units. Once, I accidentally let one of the rack springs fall inside during some repairs; retrieving the spring without misaligning the mechanical stuff was not fun! According to the instructions in the manual, it looked like I needed to pull the upper deck out to get at the inside of the RF chassis to remove the spring. This would have thrown the mechanical alignment out the window, so I ignored the manual and found a way to pull the floorplate without disturbing anything important. It still was not too fun! Be careful with those springs if you ever need to dismantle the slug racks!

I hope somebody cares. That damn radio is heavy. :-)

--

Mark J. Blair KE6MYK
e-mail: mblair@gruumsh.irv.ca.us

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: hagelin@magi.com (Richard Brisson)
Subject: RACAL R-1040
Message-ID: <199610021100.HAA05719@istar.ca>

I have already asked a number of you by private email regarding a receiver made by Racal, the R-1040, which would have been used by the Canadian military (Navy ?) in the 1950's. So far, each has been stumped.

Anyone (even remotely) familiar with this one (especially our U.K. friends) ?

73, Richard.

P.S. I have checked the archives on RACAL and nothing on this beast ...

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Rodger Singley <rbsingl@rs6000.cmp.ilstu.edu>
Subject: Rig cleaning, Kenwood style

Message-ID: <9610021527.AA44558@rs6000.cmp.ilstu.edu>

If all else fails in removing stains from your equipment case, a suggestion from my T599 Boatanchor wannabe (it is heavy and has 3 tubes and was about the closest thing to a boat anchor at Peoria this year!). While doing the alignment for the rig, I found the following cleaning instructions:

"The control knobs and the like become dark owing to the rust generated by sweat or handstained when they are service for a long time. To remove the dust and stains from the panels and case, blast them with LP shower and the like and wipe them clean with soft dry cloth. This makes the transmitter take on an entirely new charm."

Living in rural Illinois, I have always thought of LP (common abbreviation for Liquified Petroleum Gas) for heating and cooking, not cleaning. Perhaps a new form of planned obsolescence for both the rig and its owner? I would imagine an LP shower for a hot rig would create quite a "blast". I have a collection of "unfortunate translations" made by U.S. manufacturers which I use in my International Marketing seminar; I think I may add this one to the "international snafus" category. However, it cannot compete with one made by a rather large Pacific Rim electronics and piano manufacturer who chose a rather unfortunate, more effecient 4 letter word in place of the term screw to indicate how one should attach the legs to the piano bench.

Best wishes

Rodger WQ9E

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: S-36 Knob
Message-ID: <199610020532.AAA16129@netcom14.netcom.com>

As Spencer Petri discourses

>

> Hello heavy metal enthusiasts,

>

> In moving my S-36 (what a groaner) I'm reminded to ask this question. Do I
> have an original main tuning knob. It looks like a small 4 spoked steering
> wheel 2 1/4" across. The area between the spokes is solid. It's been 31
> years since I've had my hands on a S-36 and haven't seen another one around
> any hamfests for some time.

>

This is the correct knob for the S-36A, and also, I believe, for the S-36 and S-27. Note that several people report use of S-27 components in S-36 production. Electrically, all three radios are nearly

identical except for the audio phase splitter and AC line RF filter. The top tuning frequency was reduced from 145 to 143 Mhz. in the later sets by the simple expediency of not marking the last two Mhz. on the tuning dial and changing the spec in the spec sheet. All three sets are pretty sleepy on Band 3 at best.

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: Re: SB-301 LMO tube?
Message-ID: <19961001.214254.4231.0.k7yha@juno.com>

On Tue, 1 Oct 1996 15:29:34 -0500 (CDT) lblaske@pclink.com (Lee Blaske) writes:
>Just finished cleaning up an SB-301 and was questioning the LMO tube
>used. The manual says it should be a 6BZ6, but the rig has a 6CB6A that
>seems to be working fine.
>
>What's the story on this? Is there any advantage to one over the
>other?
>

The 6CB6 is a direct swap for the 6BZ6. Either will work fine. My HQ-170AC had a 6CB6 or two in place of the 6BZ6s called for. Also my "new" Heathkit SB-101 has the same substitutions.

73 es gl
rich K7YHA

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: "John E. Vercellino" <104204.2650@compuserve.com>
Subject: Solid-State replacement for 7360
Message-ID: <199610021404_MC1-9FF-ABFF@compuserve.com>

I know, I know, more heracy. But in an effort to keep my Tempo-One alive, which is virtually all hollow-state, I'm looking for a schematic or information on a solid-state replacement for the 7360 BM.

Later models of the Tempo-One DID have this plug-in replacement, and like a dummy, I forgot to make a copy of the pages when I sold off my spare Tempo. Does anyone have a copy of the documentation for this component?

73, John WB90VV

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: "Steve Brandt" <sbrandt@usinternet.com>
Subject: SX-110 BFO COIL
Message-ID: <19961002040335444.AAA174@sbrandt>

Last summer I liberated a little used SX-110 from a basement in South Dakota. I've been cleaning it and replacing leaky paper capacitors and it's on its way to being an excellent example of the breed except for an open BFO coil. The part I'm looking for is L11 on the schematic, Hallicrafters part number 054-200051.

If anyone on the list has a junker SX-110 I'd love to buy the BFO coil.

Steve Brandt/WA0GKX
sbrandt@usinternet.com

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: sinned@VNET.IBM.COM
Subject: T-R switches
Message-ID: <199610021820.NAA13766@uro.theporch.com>

My thanks to all who responded to my question on this subject.

I did get the Johnson unit hooked up between an SX-99 and my homebrew TZ40's xmtr. Added a couple of 1N100's across the RX connector and was able to run full break-in for the first time ever. Real nice, but did notice receive 'suck-out' as a function of the xmtr's output loading cap adjustment.

TNX & 73's
Dennis W5FRS

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: "Arnoud van der Wel" <a.p.vanderwel@student.utwente.nl>
Subject: Tektronix Scope Website
Message-ID: <199610020936.AA11562@driene.student.utwente.nl>

Hi All,

Just completed the first revision of my Tek Scope Website. You are all welcome to come have a look and tell me what you think. Contributions (pictures, information, etc....) are also welcome.

The 'Museum' is found at:

<http://cal003109.student.utwente.nl/~wel/tek.htm>

Regards,

Arnoud.

Arnoud van der Wel Tel: +31-53-4895030
Calslaan 14B-43 Email: a.p.vanderwel@student.utwente.nl
7522 MB Enschede Homepage: <http://cal003109.student.utwente.nl/~wel>
The Netherlands

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: "Rick Blank" <rblank@legend.txdirect.net>
Subject: Re: Thanks for all the Sprayer Info!
Message-ID: <199610012235.RAA27167@legend.txdirect.net>

Stuff Deleted

> Another possibility that sounds interesting is using a small air-brush for
> small areas and touch-up. I'll have to visit the local hobby shops and get
> an idea of what's available.
>
>
> Thanks again,
> Bill Sorsby, N5BU
>

Bill, you might do that and then look at what is available in Pawn shops....I bought a nice Paasche double action air-brush that was like new and in the box along with a Badger air-brush compressor that was also like new for the grand total of \$75.00....beats what you pay at hobby shops, etc.....seems as if a lot of frustrated artists dump their stuff this way as I always see these things in the shops....

Rick Blank rblank@txdirect.net
2223 Blanco Road
San Antonio, Texas 78212

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996
From: W2CRS@aol.com
Subject: Trade for first rigs
Message-ID: <961001201719_298433594@emout06.mail.aol.com>

The talk of VHF boatanchors has gotten to me! My first 2-meter rig was a

Gonset II. Anyone remember working K1UGQ from CT and ME back in the late 50's and early 60's? I still have the manual and lots of crystals that I'll have to resonate on 144.300 and above. I finally sold my "goonie box" for \$20 with the Gonset VFO (and other radios, too, because my wife thought it would be a good idea to take some furniture!) before moving out west by Ryder truck in 1988.

I have some NOS tubes to trade. Here is a partial listing of the more costly ones (according to the AES catalog). I have a lot of others, too.
two 6CW4, two 6DS4, three 7591, three 6V6, three 12AX7A, two 6LQ6, one 5U4GA.

If you were to buy the above NOS tubes from AES, they'd cost you over \$370.

So just send me your R-390A, hi!

Anyway, does anyone have the Gonset II my first VHF rig or a Viking Adventurer, my first HF rig, or a Ameco 6V6 transmitter, my first QRP rig they would like to trade for a few of the tubes.

73, Doug W2CRS

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

From: "Allan Fritsche" <fritsche@msn.com>

Subject: Tube costs, etc

Message-ID: <UPMAIL03.199610020138160651@msn.com>

Hi Gang, my code practicing arm is in pain, so i decided to catalog what toobos I would need as spares for the few boats I got.

If I totally retubed for the following from AES it would cost:

HQ-170A - VHF (not counting the 6Cw4s in the 2 meter conv) \$60.00

HQ-145 - \$55.00

HR-10B - \$27.00

S-85 - \$29.60

R-100A - \$44.80 --- Coming to me next month.

Valiant - \$182.75 (6146's and 866's aren't cheap)

The NC-60- \$29.00 Hopefully in the mail to me sometime this week.

Total = \$399.75 (Now if you reduce that to redundant tubes in the receivers it comes down to less the \$250. Thats a spare 6146, 866, 6c4, 6BA6, 6BE6, etc.

The little diode tubes never go bad so thats a wash. The 5Y3's and 5U4's are expensive, but they are built to last a lifetime. Now most of the stuff above has had tubes replaced already so I think about 100 bucks would cover the total cost of spares if bought from AES. Much more resonable. Transistors cost alot to, if bought in single lots

BTW, anybody need a NOS RCA 6883 still in carton. would like to trade for a NIB 6bz6 or 2.

Rambling on tonite.

Your Friend Al

fritsche@msn.com

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: wally@mindy.sys.sdl.usu.edu (Wally Gibbons)
Subject: VHF Boatanchors
Message-ID: <9610021614.AA09802@mindy.sys.sdl.usu.edu>

Speaking of VHF boatanchors,,,,

I would be interested in corresponding (off line via e-mail) with anyone interested in restoring, collecting, trading, and using old Motorola (and other manufacturer) tube rigs. Low band, high band and UHF, mobiles, bases, whatever. If anyone want's to get together, let me know. Surely there must be some interest in these wonderful old beasts.

Wally Gibbons, WB7ASQ
North Logan, Utah
wally@mindy.sys.sdl.usu.edu

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: Joe Serocki <JSEROCKI@allstate.com>
Subject: VHF Boatanchors -Reply (and a question)
Message-ID: <s2526406.041@allstate.com>

I have recently acquired an old Motorola police vhf police dispatchers unit. Someone on the net is sending me a mike for it, and it appears to work, outting out 15/30 watts, in the CAP freqs. Interesting unit, and I would like to convert it to a 2m repeater if at all possible. Anyone have any ideas on where to acquire manuals and how/if such a conversion is possible?

Thanks

>>> Wally Gibbons <wally@mindy.sys.sdl.usu.edu> 10/02/96 10:15am
>>>

Speaking of VHF boatanchors,,,,

I would be interested in corresponding (off line via e-mail) with anyone interested in restoring, collecting, trading, and using old Motorola (and other manufacturer) tube rigs. Low band, high band and UHF, mobiles, bases, whatever. If anyone want's to get together, let me know. Surely there must be some interest in these wonderful old beasts.

Wally Gibbons, WB7ASQ
North Logan, Utah
wally@mindy.sys.sdl.usu.edu

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: John Poulton <jp@cs.unc.edu>
Subject: Wanted: "Inductance Calculations" by Grover
Message-ID: <199610021333.JAA24913@mira.cs.unc.edu>

Anyone out there have a copy of Frederick Grover's 1946 text "Inductance Calculations" that they'd be willing to part with? If you've never seen this little gem, it's way cool: Grover worked out the inductance of all sorts of coil geometries and published the results in this book, which is full of tables and charts and amazingly accurate empirical formulae. All without computers!

Thanks much,
John Poulton

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996
From: "E.V. Sandy Blaize" <ebjr@worldnet.att.net>
Subject: Re: Wanted: "Inductance Calculations" by Grover
Message-ID: <19961002173001.AAA13168@LOCALNAME>

At 01:34 PM 10/2/96 +0000, you wrote:

>Anyone out there have a copy of Frederick Grover's
>1946 text "Inductance Calculations" that they'd be
>willing to part with? If you've never seen this little
>gem, it's way cool: Grover worked out the inductance
>of all sorts of coil geometries and published the
>results in this book, which is full of tables and
>charts and amazingly accurate empirical formulae.
>All without computers!

>

>Thanks much,
>John Poulton

>

One of the NEATEST things ever made was the ARRL LIGHTNING CALCULATOR TYPE A....You can take it and do all sorts of "what if" calculations involving L/C

resonant circuits! Ranging from 400 khz thru 150 Mhz., 3-1000 pf., and 1-1500 microhenries. Coils from 1/4" to 10" long and from 1/2 to 5-1/2" in diameter can be dealt with. Inductance "itches" from 2 to 160 turns per inch! It is EXTREMELY

easy to use and more valuable than ANY computer program I have seen! I have one that I bought back in the 50's, kinda tattered, but still doing useful work! I wonder

if they could be made again? The originals were done on a high quality slick cardboard. I have since given mine a couple of coats of clear Krylon to

protect what's left!

Any printers out there familiar with 'mechanical, analog' calculators?

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, modified, traded & used!"

ebjr@worldnet.att.net

417 Ridgewood Drive

Metairie, LA., 70001

{Still looking for a Hallicrafters SR-75!}

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: Steve Ellington <n4lq@iglou.com>

Subject: WTB xtal cover;Ranger

Message-ID: <Pine.GS0.3.93.961002132902.7920A-100000@iglou1>

Need the crystal cover plug for the Ranger 1. Anyone have any or a suggestion?

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Wed Oct 2 15:31:49 1996

From: "Grant Youngman" <nq5t@gte.net>

Subject: WTB: 1957, 1958 ARRL HB

Message-ID: <199610021236.HAA21053@mail.gte.net>

Looking for the subject Handbooks in reasonable condition

Grant/NQ5T

Grant Youngman -- NQ5T

nq5t@gte.net

[HTTP://home1.gte.net/nq5t/index.htm](http://home1.gte.net/nq5t/index.htm)

Double Oak, TX (near Dallas)

From boatanchors@theporch.com Wed Oct 2 01:20:07 1996

From: gpewitt@execpc.com

Subject: XC-2 and XC-6 converters

Message-ID: <Chameleon.961001164144.gpewitt@execpc.com.execpc.com>

Don,

I just got home and found your wonderful suprise waiting.

The two converters I thought I'd never find. That's one of the nicest things anyone has ever done for me. I can't thank you enough. You even included a power supply. I'm going to have so much fun with them. It's only been a year since I got into boatanchors but thanks to the generous and knowledgeable help you and other fine people on the list have given me I have been able to build a terrific and growing shack. I know I'll enjoy the hobby and the friendships for years to come. I hope I can repay your kindness and pass some on to others as I continue to learn and treasure both the fine old radios and the even finer souls on boatanchors. Thank you so much. If there is ever -anything- I can do for you it will be a pleasure. 73 and I mean 73 Gary

Name: Gary Pewitt N9ZSV
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com